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- Ph.D. Student in Biomedical Physics, admitted Autumn 2022
- Ph.D. Minor, Computer Science
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Publications

PUBLICATIONS

- **A Dynamic Shim Approach for Correcting Eddy Current Effects in Diffusion-Prepared MRI Acquisition Using a Multi-Coil AC/DC Shim-Array.** *Magnetic resonance in medicine*
Liao, C., Stockmann, J. P., Li, Z., Wang, Z., Gao, M., Craven-Brightman, L., Sliwiak, M., Biggs, C., Glad, J. A., Zhou, J., Qian, Y., Zhong, Z., Wang, et al
2026
- **Physics-Informed Implicit Neural Representations for Joint B0 Estimation and Echo Planar Imaging**
Huang, W., Wang, N., Liao, C., Line, Y., Gao, M., Rueckert, D., Setsompop, K.
edited by Gee, J. C., Alexander, D. C., Hong, J., Iglesias, J. E., Sudre, C. H., Venkataraman, A., Golland, P., Kim, J. H., Park, J.
SPRINGER INTERNATIONAL PUBLISHING AG.2026: 481-490
- **In Vivo Meso-Scale Whole-Brain Quantitative Imaging With Tailored MRF on the NexGen 7T Scanner.** *Magnetic resonance in medicine*
Cao, X., Beckett, A., Liao, C., Walker, E., Zhu, Z., Qian, Y., Gao, M., Wang, N., Lin, Y., Gong, L., McCready, M. A., Wang, Z., Li, et al
2025
- **ENHANCING DIFFUSION-WEIGHTED IMAGES (DWI) FOR DIFFUSION MRI: IS IT ENOUGH WITHOUT NON-DIFFUSION-WEIGHTED B=0 REFERENCE?**
Wu, Y., Huang, J., Wang, F., Gao, M., Liao, C., Yang, G., Setsompop, K., IEEE
IEEE.2025
- **Spherical echo-planar time-resolved imaging (sEPTI) for rapid 3D quantitative T2* and susceptibility imaging.** *Magnetic resonance in medicine*
Wang, N., Liao, C., Cao, X., Nishimura, M., Brackenier, Y. W., Yurt, M., Gao, M., Abraham, D., Alkan, C., Iyer, S. S., Zhou, Z., Jeong, H., Kerr, et al
2024